

*L. Long* II

CASTLE DONINGTON  
RURAL DISTRICT COUNCIL

*Lincs*

ANNUAL REPORT  
of the  
MEDICAL OFFICER OF HEALTH  
for the year 1956



T. M. MONTFORD  
MEDICAL OFFICER OF HEALTH



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Public Health Department,  
Council Offices,  
CASTLE DONINGTON.

26th July, 1957.

TO THE CHAIRMAN,  
AND MEMBERS OF THE CASTLE  
DONINGTON RURAL DISTRICT COUNCIL.

Mr. Chairman, Mrs. Gibson and Gentlemen,

I have pleasure in presenting my Annual Report for the year 1956.

The general health of the area was very good indeed. There were only sixty-seven cases of notifiable disease and this included seven cases of food poisoning in Long Whatton. The ingested material had been prepared in another authority's area and with easy co-operation the source and micro-organisms were rapidly traced and dealt with. This zymotic disease total was very much less than the one hundred and sixty-one of the previous year, when the figures were overloaded with one hundred and twenty-five cases of measles, four-fifths of them from Castle Donington itself.

You will observe from the table on page 5 that only one hundred and three children were immunised against diphtheria and sixty-five received reinforcing doses, mostly at the ages of five and six. This was not nearly good enough. In 1955 one hundred and thirty-two children received primary injections and eighty nine their booster doses. The County Council are the Authority responsible for the immunisation scheme and very valuable work is done by the Health Visitors in persuading parents to have their children protected against this killing disease which, although not prevalent now, might easily become so. The injection material is supplied to the general practitioners by the County Council, and if whooping cough and tetanus vaccine are desired at the same time they can be obtained through the National Health Service and only one further injection is required to finish the comprehensive immunisation. There is, of course, no charge to the parents although the doctors obtain a notification fee from the County Council on application, after completing the course. All doctors in this area, I think, will start the initial injection at once, at the seventh, eighth or ninth month, if the child is taken up to his surgery.

I know your interest in vital statistics. As is usual our corrected birth rate of 15.95 per thousand of the population (crude birth rate being 15.25) was better than that for the whole country. The Registrar General's figures for England and Wales, the Great Towns and the Small Towns were identical at 15.6. All four rates were increased.

The death rate was 9.96, and not quite so low as last year, but it was still better than England and Wales and the Small Towns, whose rates were 11.7 and 11.6 respectively, per thousand of the population.

The report which follows adheres to the general directions laid down by the Ministry of Health and includes recorded chemical and bacteriological details of our water supplies.

I am indebted to the Public Health Officer and Surveyor for his reports on inspections of food premises and of carcasses. I wish to thank him and the other members of my Public Health staff for their loyal and ungrudging services.

I am,

Your obedient servant,

T. M. MONTFORD.

Medical Officer of Health.



MEMBERS OF THE COUNCIL

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Major J.G. Shields.  
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E. Sowter Esq.  
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All Councillors are members of the Public Health Committee

PUBLIC HEALTH OFFICERS

MEDICAL OFFICER OF HEALTH

T. M. Montford, M.B. Ch.B. Glas.

PUBLIC HEALTH INSPECTOR

SURVEYOR AND HOUSING MANAGER.

E. N. Pearson. Certificate of the Royal Sanitary Institute and Sanitary Inspectors' Joint Board. Certificate of the Royal Sanitary Institute for Meat Inspectors. Certificate Sanitary Science Liverpool University.

ADDITIONAL PUBLIC HEALTH INSPECTOR

B. G. Pember. Certificate of the Royal Sanitary Institute and Sanitary Inspectors' Joint Board. Certificate of the Royal Sanitary Institute for Meat Inspectors.

TECHNICAL ASSISTANT

E. M. Rock.

SHORTHAND TYPIST

Mrs. G. F. Jackson.

CLERICAL ASSISTANT

Miss J. Bowley.

Z Y M O T I C     D I S E A S E SIN THE VILLAGES COMPRISING THE RURAL DISTRICTYEAR 1956

Village	Measles	Scarlet Fever	Whooping Cough	Pneumonia	Food Poisoning	Puerperal Pyrexia	Dysentery	Total
Belton	1	-	-	-	-	-	-	1
Breedon-on the-Hill	-	3	-	-	-	-	-	3
Castle Donington	5	4	21	4	-	1	3	38
Diseworth	1	-	1	-	-	-	-	2
Emington	-	1	-	-	-	-	-	1
Kegworth	-	1	11	1	-	-	-	13
Long Whatton	-	2	-	-	7	-	-	9
Total	7	11	33	5	7	1	3	67

No notifications of ophthalmia neonatorum were received.

Z Y M O T I C     D I S E A S E S

NOTIFICATION RATES PER 1,000 POPULATION

Notifications	Castle Donington Rural District Council		England and Wales	
	<u>1956</u> 0.5	<u>1955</u> 1.38	<u>1956</u> 0.57	<u>1955</u> 0.63
Primary Pneumonia				
Scarlet Fever	1.1	0.49	0.74	0.73
Whooping Cough	3.41	0.99	2.06	1.77
Measles	0.7	12.63	3.58	15.58
<u>Poliomyelitis</u>				
Paralytic	-	-	0.04	0.08
Non-Paralytic	-	-	0.03	0.06
Puerperal Pyrexia	0.1	0.1	0.24	0.27
Diphtheria	-	-	0.001	0.003
Paratyphoid	-	-	0.009	0.02
Food Poisoning	0.7	-	0.24	0.85
Dysentery	0.3	-	1.09	0.82



# D I P H T H E R I A   I M M U N I S A T I O N

## NUMBER OF CHILDREN IMMUNISED

1st JANUARY TO 31st DECEMBER, 1956

Age at 31.12.56 (Born in year)	Under 1 1956	1 1955	2 1954	3 1953	4 1952	5 1951	6 1950	7 1949	8 1948	9 1947	10 1946	11 1945	12 1944	13 1943	14 1942
Primary Immunisations	11	70	13	4	1	3	1	-	-	-	-	-	-	-	-
Booster Injections	-	-	-	-	3	51	8	-	2	-	-	-	1	-	-

This table was supplied by the County Medical Officer of Health.

One hundred and three children were immunised (one hundred and thirty-two primaries in 1955) and sixty-five received re-inforcing injections (eighty-nine in 1955.)

VITAL STATISTICSCIVILIAN POPULATION

9,970

COMPARABILITY FACTORSBirths 1.06Deaths 1.08LIVE BIRTHS

	M.	F.
Total	75	75
Legitimate	70	72
Illegitimate	5	3

STILL BIRTHS

	M.	F.
Total	1	3
Legitimate	1	3
Illegitimate	-	-

DEATHS OF INFANTSUNDER ONE YEAR OF AGE

	M.	F.
Total	-	1
Legitimate	-	1
Illegitimate	-	-

Actual Birth and Death Rates are multiplied by the appropriate Comparability Factor so that figures are obtained which are corrected for disproportion in the age and sex groupings.

DISTRICT FIGURES

Area in Acres ..... 23,743  
 Estimated Population ... 9,970  
 Rateable Value ..... £83,522  
 Product of 1d. rate .... £302.

DEATH RATESPER 1,000 OF THE POPULATION

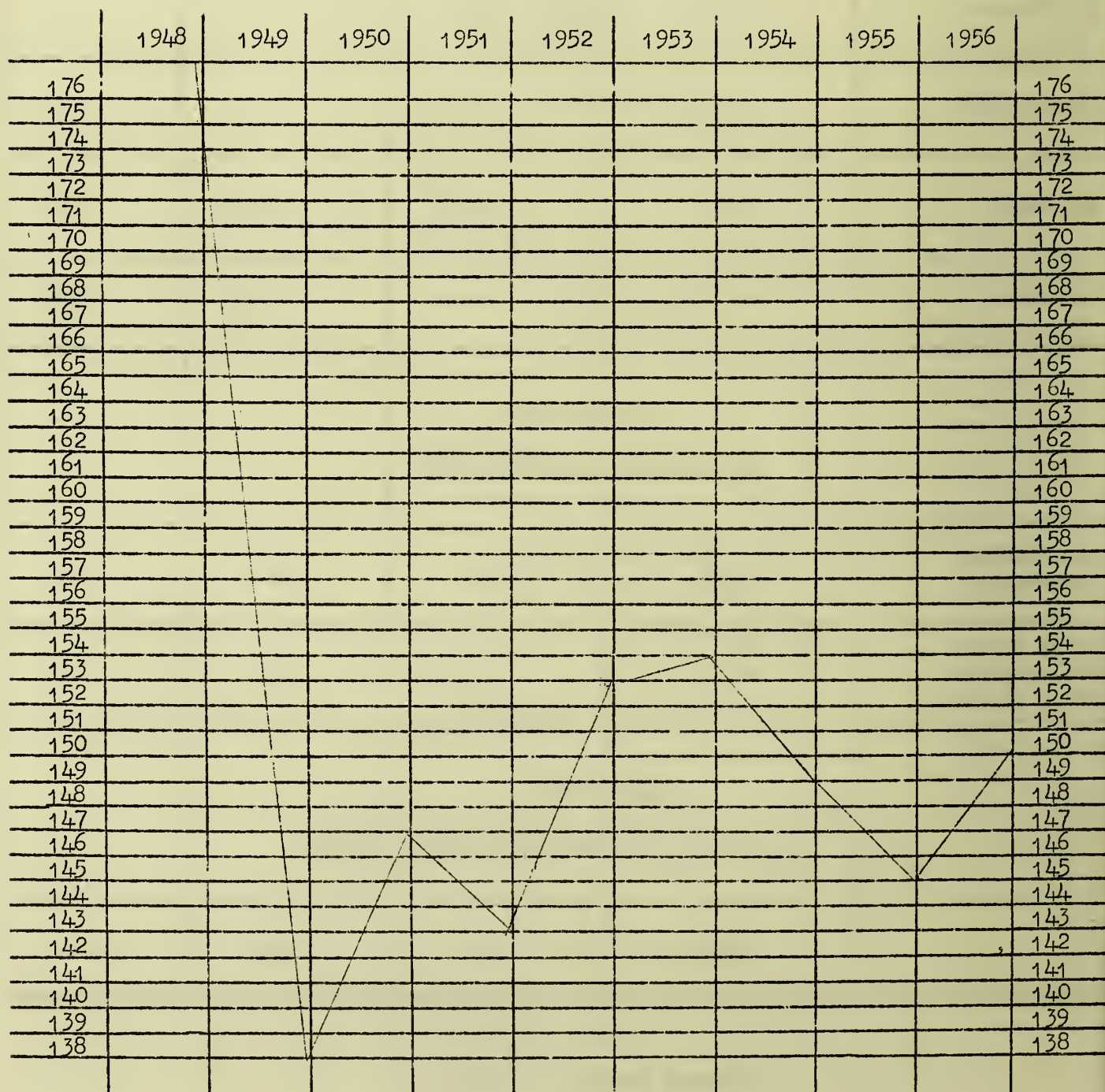
Diseases	Castle Donington Rural District Council	England and Wales	Great Towns	Small Towns
All Causes	9.96	11.7	11.6	11.6
Tuberculosis	0.10	0.12	0.14	0.11
Influenza	0.10	0.06	0.04	0.05
Pneumonia	0.43	0.52	0.57	0.45
<u>BIRTH RATES</u> <u>PER 1,000 OF THE POPULATION</u>				
Live Births (Corrected)	15.95	15.6	15.6	15.6
Still Births Total Live and Still Births	26.66	22.9	23.0	22.7
<u>DEATH RATE</u> <u>PER 1,000 LIVE BIRTHS UNDER ONE YEAR</u>				
	6.66	23.8	24.0	24.1

MATERNAL DEATHS - NIL.

GRAPH SHOWING THE AGGREGATE BIRTHS IN THE

CASTLE DONINGTON RURAL DISTRICT

YEARS 1948 to 1956





Castle Donington Rural District Council.

Annual Report of the Medical Officer of Health for the Year 1956.

Corrigendum.

Page 9 First Paragraph. delete 452 and insert 523.

Council Offices,  
4, Clapgun Street,  
CASTLE DONINGTON.

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FOR ENGLAND AND WALES

POST WAR HOUSES COMPLETED ON 31st MARCH, 1957.

RURAL DISTRICTS - LEICESTERSHIRE.

	<u>Population</u>	<u>No. of New Houses Completed.</u>	<u>No. per 1,000 of Population</u>
Ashby-de-la-Zouch	13,900	584	42.0
Barrow-on-Soar	50,800	1,726	33.9
Billesden	12,500	282	22.5
Blaby	41,200	1,227	29.8
<u>CASTLE DONINGTON</u>	10,000	+ 537	53.7
Lutterworth	12,000	498	41.5
Market Bosworth	27,200	978	35.9
Melton & Melvoir	18,800	611	32.5
Market Harborough	9,900	386	39.0

+ These figures are given for comparison.



WATER SUPPLY

Samples of water taken from piped supplies in various districts in the area were all found, after bacteriological examination, to be suitable for domestic use.

Reports from the supplying authorities are shown in the following pages.

PARTICULARS OF WATER SUPPLIESFROM PUBLIC MAINS

Parish	Number of Houses		Direct		Standpipes	Private Supply	Well Supply
	1955	1956	1955	1956			
Castle Donington	1,052	1,112	1,009	1,078	17	-	17
Kegworth	864	874	828	838	18	-	18
Belton	201	206	179	184	2	-	20
Breedon-on-the-Hill	234	235	216	217	-	7	11
Charley	81	81	-	-	-	-	81
Isley-cum-Langley	26	26	11	11	-	-	15
Lockington/Hemington	171	171	155	155	-	-	16
Long Whatton )	381	409	181	209	14	-	49
Diseworth )			117	118	-	-	19
Total	3,010	3,114	2,696	2,810	51	7	246

POPULATION

Parish	Estimated Population	Direct	Standpipes	Private Supply	Well Supply
Castle Donington	3,482	3,386	37	-	59
Kegworth	2,722	2,621	38	-	63
Belton	664	582	10	-	72
Breedon-on-the-Hill	794	728	-	24	42
Charley	389	-	-	-	389
Isley-cum-Langley	168	110	-	-	58
Lockington/Hemington	529	479	-	-	50
Long Whatton )	1,222	612	28	-	156
Diseworth )		352	14	-	60
Total	9,970	8,870	127	24	949

WATER SUPPLY OBTAINED FROM THE LOUGHBOROUGH CORPORATIONREPORT FROM MR. J.S. BATES. A.M.I.C.E. A.M.I.MUN.E. A.M.T.P.I.BOROUGH SURVEYOR AND WATER ENGINEER, LOUGHBOROUGH.

During the year two chemical and twelve bacteriological samples of the water supplied to this rural district were taken and in all cases the examination showed these to be satisfactory.

The following is a copy of the full chemical and bacteriological examination made of a sample taken on the 2nd July, 1956 :-

ANALYSIS OF A SAMPLE OF WATER RECEIVED FROM LOUGHBOROUGH CORPORATIONLABELLED MESSRS. FULLER & HAMBLY, HATHERN - BLACKBROOK FILTERED WATER.CHEMICAL RESULTS IN PARTS PER MILLION

Appearance .....	Bright with very few mineral particles
Colour .....	10
pH .....	7.5
Electric Conductivity .....	330
Chlorine present as Chloride .....	21
Hardness : Total .....	185
Carbonate .....	100
Non-carbonate .....	85
Nitrate Nitrogen .....	3.0
+ Ammoniacal Nitrogen .....	0.005
+ Albuminoid Nitrogen .....	0.067
Turbidity .....	Less than 3
Odour .....	Nil
Free Carbon Dioxide .....	5
Total Solids .....	220
Alkalinity as Calcium Carbonate ....	100
Nitrite Nitrogen .....	Less than 0.01
Oxygen Absorbed .....	1.4
Residual Chlorine .....	Absent
Metals : .....	Iron : Less than 0.03
	Other metals absent
+ To convert to Ammonia multiply by 1.21	

BACTERIOLOGICAL RESULTS

Number of Colonies developing on Agar	( 1 day at 37°C. 2 days at 37°C. 3 days at 20°C		
	1 per ml.	2 per ml.	1 per ml.
	Present in	Absent from	Probable number
Presumptive Coli-aerogenes Reaction	- ml.	100 ml.	0 per 100 ml.
Bact. coli. (Type 1) .....	- ml.	100 ml.	0 per 100 ml.
Cl. welchii Reaction .....	- ml.	100 ml.	

This sample is practically clear and bright in appearance, just on the alkaline side of neutrality and free from metals apart from a negligible trace of iron. The water is practically free from noticeable colour and of very satisfactory organic and bacterial purity.

These results are indicative of a pure and wholesome water suitable for drinking and domestic purposes.

10th July. 1956.

(Signed) Gordon Miles.

DERWENT WATER SUPPLIED BY LEICESTER CITY CORPORATIONREPORT FROM MR. HAL WALLHOUSE, M.I.C.E., M.ASCE, M.T.MECH.E.WATER ENGINEER AND MANAGER TO CITY OF LEICESTER.

During the year 1956 intensified sampling of water continued both from the Derwent Valley Water Board and from the local resources, for both chemical and bacteriological examination.

The particulars about sampling of Derwent Valley water, from which source the whole of the supply of this area is derived, are as follows :-

(a) Sawley Meter House

Samples from the mains have been taken daily throughout the year and subjected to the presumptive test for B.coli., and every analysis has shown negative results.

(b) At Hallgates

Samples have been taken three times each week and subjected to an extended chemical and bacteriological examination by the City Analyst, Mr. F.C. Bullock. The results for the year have been consistently good with no presumptive B. Coli. Typical figures from the last analysis of the year on samples taken on 31st December, 1956 are :-

pH .....	8.2
Residual Chlorine .....	Nil
Nitrite .....	.003 p.p.m.
Plate Count .....	Nil
Colour .....	6
Chloride .....	12 p.p.m.
Coliform organisms ....	Nil



WATER SUPPLY OBTAINED FROM THE LONG EATON URBAN DISTRICT COUNCILREPORT FROM MR. FRANCIS TURNER, M.I.Mun.E., A.M.T.P.I.ENGINEER AND SURVEYOR, LONG EATON.

Samples of the water supplied to this rural district were taken during the year and the following are copies of chemical and bacteriological analyses :-

CERTIFICATE OF ANALYSIS.

Sample of Water labelled : Stanton-by-Bridge Pumping Station  
Long Eaton Waterworks.

Received from : Long Eaton Urban District Council  
(submitted by Mr. Alliot)

RESULTS OF ANALYSIS

Appearance in 2ft Tube..... Very slightly turbid, faintly green  
pH. value ..... 7.4

Parts per Million

Total Solid Matter (Dried at 180° C.....	495
Free and Saline Ammonia .....	0.01
Albuminoid Ammonia .....	0.02
Nitrogen as Nitrates .....	4.3
Chlorine (present as Chloride) .....	30
Oxygen absorbed in four hours at 80° Fahr.	0.03
Hardness ( Temporary.....	220
( Permanent .....	150
( Total	370
Metals ..... Iron .....	0.06
Free Chlorine .....	0

In appearance the sample was slightly turbid and of a faint greenish colour. The results of chemical analysis afford no evidence of the occurrence of active pollution.

(Signed) R.W. Sutton,  
County Analyst.

# LONG EATON URBAN DISTRICT COUNCIL

## REPORTS BY DERBYSHIRE COUNTY BACTERIOLOGIST ON WATER IN

### THE NEW RESERVOIR, CASTLE DONINGTON

Date of Report.	Age in Hours	Presumptive Coliform Count. Probable Number of coliform bacilli present per 100 ML.	Differential Coliform test. Probable number of Faecal B.Coli per 100 ml	Remarks	Bacteriologically the sample of water for drinking purposes is
<u>1956</u>					
Jan. 25th.	1½	Nil	--	--	Suitable
Feb. 29th.	1	"	--	--	"
Mar. 21 st.	1½	"	--	--	"
Apr. 25th.	1	"	--	--	"
May 25th.	1¼	"	--	--	"
June 20th.	1	"	--	--	"
Aug. 1 st.	1¼	"	--	--	"
Aug. 29th.	1¼	"	--	--	"
Sep. 19th.	1¼	"	--	--	"
Oct. 24th.	1	"	--	--	"
Nov. 21 st.	1¼	"	--	--	"
Dec. 19th.	1¼	"	--	--	"



FOOD PREMISES

Type	Number in District	Number of Inspections
Butchers' Shops	8	43
Premises Selling Pre-packed icecream	29	33
Cafés	11	17
Fried Fish Shops	2	10
Bakehouses	3	8
Milk Distributors	14	17

The following is a list of foodstuffs condemned during the year :-

Commodity	Condition	Amount
Tins Corned Beef	Decomposition	73 x 6 lbs
Tin Ox Tongue	"	1 x 6 lb
Tins Corned Beef	"	6 x 12 ozs.
4 Loaves	Removed from an empty house.	
$\frac{1}{2}$ Pint Milk		
2 packets mixed cakes.		
3 oranges.		
$\frac{1}{2}$ lb cheese		
$\frac{1}{2}$ lb butter		
Packet Kellogs Cornflakes		
1 egg		
2 lbs sugar		
Disposal of above is by collection and burial on the Council's controlled tips.		

CARCASES AND OFFALINSPECTED AND CONDEMNED IN WHOLE OR IN PART

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	1,331	269	208	4,011	1,758	-
Number Inspected	1,331	269	208	4,011	1,758	-
<u>All diseases except Tuberculosis and Cysticerci</u>						
Whole carcasses condemned	-	-	1	2	-	-
Carcases of which some part or organ was condemned	114	35	1	24	23	-
Percentage of the Number inspected affected with Disease other than tuberculosis and cysticerci	8.56	13.38	.96	.64	1.31	-
<u>Tuberculosis only</u>						
Whole carcasses condemned	2	1	1	-	-	-
Carcases of which some part or organ was condemned	81	46	1	-	31	-
Percentage of the number inspected affected with tuberculosis	6.31	17.47	.96	-	1.76	-
<u>Cysticercosis</u>						
Carcases of which some part or organ was condemned	12	-	-	-	-	-
Carcases submitted to treatment by refrigeration	12	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-	-



